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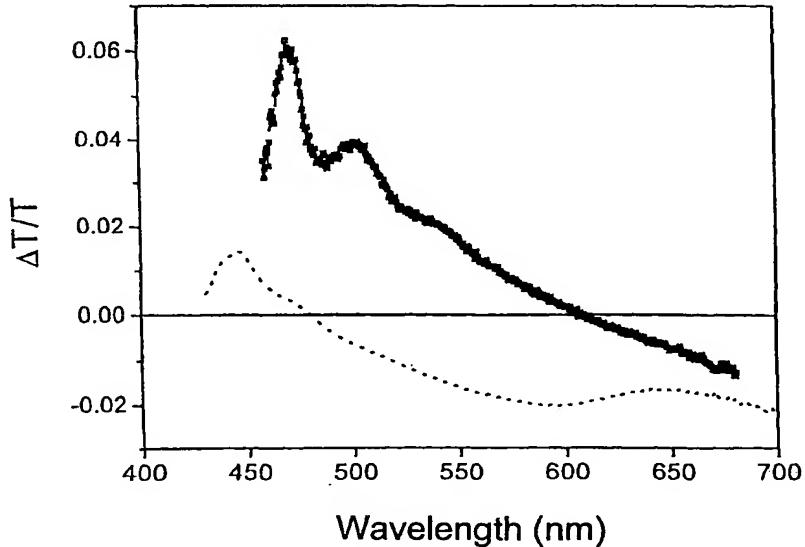
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(54) Title: POLYMERIC MIXTURE COMPRISING A POLYFLUORENE DERIVATE AND USE THEREOF AS OPTICAL DEVICE



(57) Abstract: This invention relates to a polymer mixture comprising a polymer which is transparent at a wavelength of more than 300 nm and poly(9,9-XY-fluorene), in which X and Y are independently of each other a straight or branched saturated or unsaturated C₁-C₁₂ hydrocarbon chain and the said poly(9,9-XY-fluorene) is substantially dispersed as isolated chains with a high density of isolated chains in the said transparent polymer of not more than 1x10¹⁹ cm⁻³. In particular the mixture of polymethylmethacrylate and poly(9,9-diethyl-fluorene), a polymer film obtained with that mixture and use of that film as an optical switch are described.

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GW, ML, MR, NE, SN, TD, TG).

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